



Wastewater Treatment Facility No. 1 Odor Control Preliminary Engineering Report

Lakeside Cove Community Kick-off Update July 10, 2020

This week Kimley-Horn & Associates, Inc. began an engineering study commissioned by San Jacinto River Authority (SJRA) and Woodlands Water Agency designed to evaluate and analyze all systems and processes at Wastewater Treatment Facility No. 1 (WWTF No.1) near the community of Lakeside Cove in The Woodlands.

At the conclusion of the study, Kimley-Horn Associates, Inc. will prepare a preliminary engineering report outlining potential plant modifications to improve odor emissions from WWTF No. 1 and the sanitary sewer lines in the vicinity of the facility while also evaluating the effectiveness of current odor mitigation equipment at the site.

The potential plant modifications will be based upon record drawings of the facility and sewer lines, site visits, previous odor studies, and field testing. The resulting data, along with wind speed and direction history, will also be analyzed to create an odor dispersion model which will show “before and after” odor release patterns in an effort to compare the facility as it exists today and follow various potential modifications. Similar analysis will be performed on the collection system of WWTF No. 1 and the “Tin-Man” unit located west of the WWTF.

Each potential modification will include a cost-benefit ratio to allow for the comparison of capital costs to the estimated odor removal potential. This will result in each potential plant modification having a corresponding odor removal effectiveness and cost estimate.

Preliminary Engineering Report Anticipated Schedule:

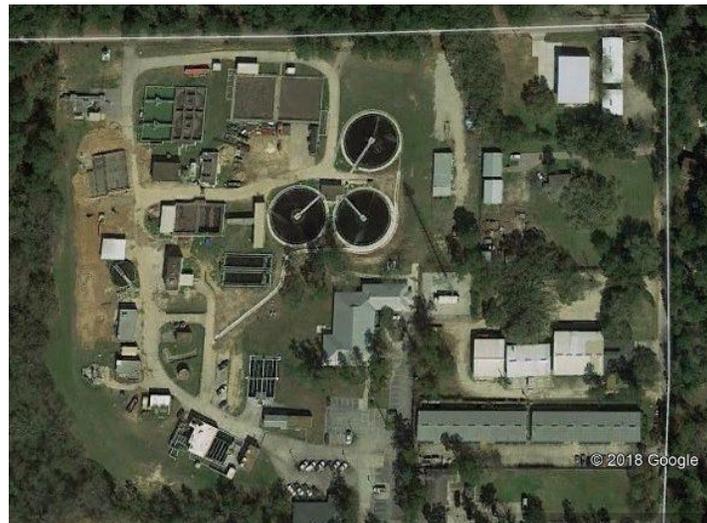
- Notice to Proceed – Monday, July 6, 2020--COMPLETED
- WWTF No. 1 Site Visit – July 13, 2020
- Sanitary Sewer Lines Site Visit July 14, 2020
- “Tin Man” Review Assessment – July 20, 2020
- Facilities Evaluation Report – August 12, 2020
- Gravity Sanitary Sewer Line Investigation Report – September 16, 2020

- Draft Integrated Odor Control Plan Report – September 18, 2020
- WWTF No. 1 Dispersion Investigation Report – October 5, 2020
- Lakeside Cove Community Meeting – Meeting Date and Format TBD
- Final Integrated Odor Control Plan Report – October 14, 2020

The final integrated odor control report is anticipated to be completed by October 14, 2020. The Woodlands MUDs, through the Woodlands Water Agency, will utilize this report to provide SJRA a recommended path forward regarding odor control at this facility.

WWTF No. 1 receives raw sewage from homes and businesses across seven Woodlands MUDs: MUD 1, MUD 6, MUD 7, MUD 46, MUD 60, MUD 67, and Metro MUD. The average daily flow is approximately 3.5 million gallons per day.

The three WWTFs in The Woodlands are operated by the San Jacinto River Authority (SJRA) pursuant to contracts with the MUDs. Per the contracts, the MUDs approve the budgets and capital project plans and pay for maintenance, operations, and facility expansions through the sewer rate.



For additional information on the WWTF No. 1 Odor Study, please visit our website at www.sjra.net/woodlands/construction/wastewater-treatment-facility-odor-study/, call the Woodlands Division office at 281-367-9511, or contact Matt Corley at mcorley@sjra.net.

For information on the Woodlands Water Agency visit their website at <https://woodlandswater.org>, call 855-426-7283, like them [@WoodlandsWater](https://www.facebook.com/WoodlandsWater) and follow them on Twitter [@WJPA_Water](https://twitter.com/WJPA_Water).

For additional information on SJRA visit our website at www.sjra.net, like SJRA on Facebook [@SanJacintoRiverAuthority](https://www.facebook.com/SanJacintoRiverAuthority), follow us on Twitter [@SJRA_1937](https://twitter.com/SJRA_1937), find us on Instagram [@sanjacintoriverauthoritiesjra](https://www.instagram.com/sanjacintoriverauthoritiesjra), or connect with us on LinkedIn [@San Jacinto River Authority](https://www.linkedin.com/company/sanjacintoriverauthority).

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